



SEQUENCE LISTING

<110> Urry, Dan

<120> Acoustic Absorption Polymers and Their Methods of Use

<130> BERL025/01US

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<160> 47

<170> PatentIn version 3.0

<210> 1

<211> 5

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(5)

<400> 1

Val Pro Gly Val Gly
1 5

<210> 2

<211> 4

<212> PRT

<213> Artificial

<220>

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<220>

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<222> (1)..(4)

<400> 2

Val Pro Gly Gly
1

<210> 3
<211> 4
<212> PRT
<213> Artificial

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<220>
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<222> (1)..(4)

<400> 3

Gly Gly Val Pro
1

<210> 4
<211> 4
<212> PRT
<213> Artificial

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<220>
<221> PEPTIDE
<222> (1)..(4)

<400> 4

Gly Gly Phe Pro
1

<210> 5
<211> 4
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
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<222> (1)..(4)

<400> 5

Gly Gly Ala Pro

1

<210> 6

<211> 5

<212> PRT

<213> Artificial

<220>

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<220>

<221> VARIANT

<222> (2)..(4)

<223> Residue at position 2 is V, E, F, Y or K

Residue at position 4 is V, E, F or I

<400> 6

Gly Xaa Gly Xaa Pro

1 5

<210> 7

<211> 6

<212> PRT

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<220>

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<220>

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<222> (1)..(6)

<400> 7

Ala Pro Gly Val Gly Val

1 5

<210> 8

<211> 35

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(35)

<400> 8

Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Glu Gly Phe Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
20 25 30

Gly Val Pro
35

<210> 9
<211> 35
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(35)

<400> 9

Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Glu Gly Phe Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Val Gly Phe Pro Gly Val
20 25 30

Gly Val Pro
35

<210> 10
<211> 35
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>

<221> PEPTIDE
<222> (1)..(35)

<400> 10

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
20 25 30

Gly Val Pro
35

<210> 11
<211> 35
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(35)

<400> 11

Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Glu Gly Phe Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro
35

<210> 12
<211> 35
<212> PRT
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<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(35)

<400> 12

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro
35

<210> 13

<211> 65

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(65)

<400> 13

Gly Val Gly Ile Pro Gly Phe Gly Glu Pro Gly Glu Gly Phe Pro Gly
1 5 10 15

Val Gly Val Pro Gly Phe Gly Phe Pro Gly Phe Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Phe Gly Glu Pro Gly Glu Gly Phe Pro Gly Val Gly
35 40 45

Val Pro Gly Phe Gly Phe Pro Gly Phe Gly Ile Pro Gly Val Gly Val
50 55 60

Pro
65

<210> 14

<211> 35

<212> PRT

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<220>

<223> This is a synthetic sequence.

<220>

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<222> (1)..(35)

<400> 14

Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Lys Gly Phe Pro Gly
1 5 10 15Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
20 25 30Gly Val Pro
35

<210> 15

<211> 35

<212> PRT

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<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE
<222> (1)..(35)

<400> 15

Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Lys Gly Phe Pro Gly
1 5 10 15Val Gly Val Pro Gly Val Gly Phe Pro Gly Val Gly Phe Pro Gly Val
20 25 30Gly Val Pro
35

<210> 16

<211> 35

<212> PRT

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<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE
<222> (1)..(35)

<400> 16

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
20 25 30

Gly Val Pro
35

<210> 17
<211> 35
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(35)

<400> 17

Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Lys Gly Phe Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro
35

<210> 18
<211> 35
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(35)

<400> 18

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro
35

<210> 19

<211> 35

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(35)

<400> 19

Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Glu Gly Phe Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Lys Gly Val Pro Gly Val
20 25 30

Gly Val Pro
35

<210> 20

<211> 35

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(35)

<400> 20

Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Glu Gly Phe Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val
20 25 30

Gly Val Pro
35

<210> 21

<211> 5

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> VARIANT

<222> (4)..(4)

<223> Residue at position 4 is modified to have
an electroresponsive side chain

<400> 21

Val Pro Gly Xaa Gly
1 5

<210> 22

<211> 5

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(5)

<400> 22

Ile Pro Gly Val Gly
1 5

<210> 23

<211> 11
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> VARIANT
<222> (6)..(6)
<223> Residue at position 6 is S, T or Y

<400> 23

Gly Val Gly Val Pro Xaa Gly Val Gly Val Pro
1 5 10

<210> 24
<211> 5
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> VARIANT
<222> (2)..(4)
<223> Residue at position 2 is V, E, F, Y, K, S or T
Residue at position 4 is V, E, F, I, S, T or Y
At least one of residues at positions 2 or 4 is S, T or Y

<400> 24

Gly Xaa Gly Xaa Pro
1 5

<210> 25
<211> 30
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>

<221> PEPTIDE
<222> (1)..(30)

<400> 25

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro
20 25 30

<210> 26

<211> 66

<212> DNA

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> misc_structure

<222> (1)..(66)

<400> 26

gaggatccag gcgttgggtt accgggtgtt ggcgatccgg gtaaagggtgt cccggggttg
60

gtgtgc
66

<210> 27

<211> 66

<212> DNA

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> misc_structure

<222> (1)..(66)

<400> 27

ctggatccaa cgccctggaa tccgaaaccc ggaaaggctta caccggcac accaacgccc
60

gggaca

66

<210> 28
<211> 10
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(10)

<400> 28

Gly Val Gly Val Pro Gly Tyr Gly Val Pro
1 5 10

<210> 29
<211> 45
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(45)

<400> 29

Gly Val Gly Ile Pro Gly Glu Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Glu Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Glu Gly Ile Pro Gly Val Gly Ile Pro
35 40 45

<210> 30
<211> 30
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(30)

<400> 30

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Glu Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
20 25 30

<210> 31
<211> 30
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(30)

<400> 31

Gly Glu Gly Ile Pro Gly Val Gly Ile Pro Gly Glu Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
20 25 30

<210> 32
<211> 45
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(45)

<400> 32

Gly Val Gly Ile Pro Gly Lys Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Lys Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Lys Gly Ile Pro Gly Val Gly Ile Pro
35 40 45

<210> 33

<211> 30

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(30)

<400> 33

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Lys Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
20 25 30

<210> 34

<211> 30

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(30)

<400> 34

Gly Lys Gly Ile Pro Gly Val Gly Ile Pro Gly Lys Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro

20

25

30

<210> 35
<211> 110
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(110)

<400> 35

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
50 55 60

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
65 70 75 80

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
85 90 95

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly Ile Pro
100 105 110

<210> 36
<211> 110
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> VARIANT
<222> (107)..(107)

<223> Residue at position 107 is associated with an SO4 ion

<400> 36

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
50 55 60

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
65 70 75 80

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
85 90 95

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly Ile Pro
100 105 110

<210> 37

<211> 60

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(60)

<400> 37

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly Ile Pro
50 55 60

<210> 38

<211> 60

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> VARIANT

<222> (58)..(58)

<223> Residue at position 58 is associated with an SO4 ion

<400> 38

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly Ile Pro
50 55 60

<210> 39

<211> 45

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(45)

<400> 39

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly Ile Pro
35 40 45

<210> 40

<211> 45

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(45)

<400> 40

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly Ile Pro
35 40 45

<210> 41

<211> 30

<212> PRT

<213> Artificial

<220>

<223> This is a synthetic sequence.

<220>

<221> PEPTIDE

<222> (1)..(30)

<400> 41

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly Ile Pro

20

25

30

<210> 42
<211> 30
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> VARIANT
<222> (28)..(28)
<223> Residue at position 28 is associated with an SO4 ion

<400> 42

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly Ile Pro
20 25 30

<210> 43
<211> 15
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(15)

<400> 43

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly Ile Pro
1 5 10 15

<210> 44
<211> 15
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> VARIANT
<222> (13)..(13)
<223> Residue at position 13 is associated with an SO4 ion

<400> 44

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly Ile Pro
1 5 10 15

<210> 45
<211> 10
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> PEPTIDE
<222> (1)..(10)

<400> 45

Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly
1 5 10

<210> 46
<211> 10
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> VARIANT
<222> (9)..(9)
<223> Residue at position 9 is associated with an SO4 ion

<400> 46

Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly
1 5 10

<210> 47
<211> 10
<212> PRT
<213> Artificial

<220>
<223> This is a synthetic sequence.

<220>
<221> VARIANT
<222> (9)..(9)
<223> Residue at position 9 is associated with an MgSO4 ion

<400> 47

Ile Pro Gly Val Gly Ile Pro Gly Tyr Gly
1 5 10